

National Bridge Inspection Program Metrics

Metric #	Metric Name	NBIS Reference
1	Bridge Inspection Organization	23 CFR 650.307 - Bridge inspection organization
2	Qualifications of personnel - Program Manager	23 CFR 650.309 (a) - Program Manager and 650.313 (g) QC/QA
3	Qualifications of personnel - Team Leader(s)	23 CFR 650.309 (b) - Team leader(s) and 650.313 (g) QC/QA
4	Qualifications of personnel - Load Rating Engineer	23 CFR 650.309 (c) - Individual responsible for load ratings
5	Qualifications of personnel - UW Bridge Inspection Diver	23 CFR 650.309 (d) - Underwater Bridge Inspection Diver
6	Inspection Frequency - Routine - Lower risk bridges	23 CFR 650.311 (a) - Routine inspections
7	Inspection Frequency - Routine - Higher risk bridges	23 CFR 650.311 (a) - Routine inspections
8	Inspection Frequency - Underwater - Lower risk bridges	23 CFR 650.311 (b) - Underwater (UW) inspections
9	Inspection Frequency - Underwater - Lower risk bridges	23 CFR 650.311 (b) - Underwater (UW) inspections
10	Inspection Frequency - Fracture Critical Member	23 CFR 650.311 (c) - Fracture critical member (FCM)
11	Inspection Frequency - Frequency Criteria	23 CFR 650.311 (a)(2), (b)(2), (c)2, (d) - Frequency criteria
12	Inspection Procedures - Quality Inspections	23 CFR 650.313 (a) & (b) Inspection procedures - Quality inspections
13	Inspection Procedures - Load Rating	23 CFR 650.313 (c) - Rate each bridge
14	Inspection Procedures - Post or Restrict	23 CFR 650.313 (c) Inspection procedures - Post or restrict bridges
15	Inspection Procedures - Bridge Files	23 CFR 650.313 (d) - Prepare bridge files
16	Inspection Procedures - Fracture Critical Members	23 CFR 650.313 (e) (1) - Bridges with fracture critical members (FCM)
17	Inspection Procedures - Underwater	23 CFR 650.313 (e) & (e)(1) - Bridges requiring underwater (UW) inspections
18	Inspection Procedures - Scour Critical Bridges	23 CFR 650.313 (e) Bridges that are scour critical
19	Inspection Procedures - Complex Bridges	23 CFR 650.313 (f) - Complex bridges
20	Inspection Procedures - QC/QA	23 CFR 650.313 (g) - QC/QA
21	Inspection Procedures - Critical Findings	23 CFR 650.313 (h) - Follow-up on critical findings
22	Inventory - Prepare and Maintain	23 CFR 650.315 (a) - Prepare and maintain an inventory
23	Inventory - Timely Update of Data	23 CFR 650.315 (a), (b), (c) & (d) - Updating data in the inventory

Metric #1 defines the bridge inspection organization

Metrics #2 - #5 describes the minimum qualifications for inspection personnel

Metrics #6 - #10 describes the inspection frequency requirements for the NBI required inspections

Metrics #11 - #21 describes the inspection procedures for the inspection organization

Metrics #22 and #23 deals with the bridge inventory of the inspection organization